CLAIMS

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Wha	t is	claim	ied is	3

1. A bolt-keeper toilet flange comprising:

a toilet-fastener plate having at least one bolt-head bracket articulated

3 to hold a toilet-bolt head;

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the bolt-head bracket having a bolt-shank opening on a bolt-head side of the toilet-fastener plate for positioning the toilet-bolt head in the bolt-head bracket with a toilet-bolt shank held uprightly from the toilet-fastener plate in a predetermined place for attachment of a toilet bowl to the toilet bolt with a toilet-bolt nut screwed onto the toilet-bolt shank; and

floor-bolt apertures which extend through the toilet-fastener plate on arcuately opposite sides of the bolt-head bracket for receiving floor-bolt shanks of floor bolts inserted downwardly through the floor-bolt apertures and for retaining floor-bolt heads of the floor bolts proximate a top of the toilet-fastener plate for bolting the toilet-fastener plate to a floor predeterminedly about a toilet-drain aperture in the floor.

- 2. The bolt-keeper toilet flange of claim 1 wherein:
- the toilet-fastener plate includes an arcuate plate having a predetermined arcuate length.
 - 3. The bolt-keeper toilet flange of claim 2 wherein:
- 2 the arcuate plate has an arcuate length of predeterminedly proximate
- 3 two inches, a width of predeterminedly proximate three-fourths of an inch and a
- 4 thickness of predeterminedly proximate one-sixteenth of an inch.

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1	(12) 4.	The bolt-keeper toilet flange of claim 1 wherein:	
2	0. (the bolt-head bracket includes a bracket entry that is articulated to	
3	receive the	toilet-bolt head and the toilet-bolt shank radially from a predetermined	
4	entry edge of the fastener plate; and		
5		the bolt-head bracket includes an end wall opposite the bracket entry to	
6	6 prevent passage of the toilet-bolt head through the bolt-head bracket.		
1	5.	The bolt-keeper to let flange of claim 4 wherein:	
2		the entry edge of the fastener plate is an arcuately outside edge of the	
2 3 4 5 7 3 5	fastener plate.		
Ĩ	6.	The bolt-keeper toiled flange of claim 4 wherein:	
2		the entry edge of the fastener plate is an arcuately inside edge of the	
3	fastener plat	te.	
1	7.	The bolt-keeper toilet flange of claim 1 wherein:	
2	•	the floor-bolt apertures are arcuate and have aperture lengths that are	
3	equal to a p	redetermined plurality of diameter lengths of the floor bolts.	
1	8.	The bolt-keeper toilet flange of claim 1 wherein:	
2		the toilet-fastener plate includes a connector plate with an arcuate	
3	extension of	f predeterminedly proximate 90 degrees, a width of predeterminedly	
4	proximate three-fourths of an inch and a thickness predetermined for structure of the		
5	5 bolt-head bracket.		

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1	9.	The bolt-keeper toilet flange of claim 1 wherein:
2		the toilet-fastener plate includes a connector plate with an arcuate
3	extension of	of predeterminedly proximate 90 degrees, a width of predeterminedly
4	proximate o	one-and-one-half inches and a thickness predetermined for structure of the
5	bolt-head b	racket.
1	10.	The bolt-keeper toilet flange of claim 1 wherein:
2		the floor-bolt apertures include a predetermined plurality of circular
	orifices at a	a predetermined arcuate radius.
	11.	The bolt-keeper toilet flange of claim 1 wherein:
2		the toilet-fastener plate includes a base circumferential plate having a
3	plate diame	eter predeterminedly in excess of a diameter of a predetermined toilet-
4	drain apert	ure;
5	-	the bolt-head bracket including a first bolt-head bracket that is
6	oppositely	disposed diametrically from a second bolt-head bracket; and
7		the floor-bolt apertures include two series of predetermined pluralities
8	of the flo	or-bolt apertures that are oppositely disposed circumferentially at
9		ned radii from an axis of the base circumferential plate.
1	12.	The bolt-keeper toilet flange of claim 11 wherein:
2		the base circumferential plate includes a width of predeterminedly
3	proximate of	one-and-one-half inches and a thickness predetermined for containing an
4	integral bo	t-head bracket and for providing rigidity and duration of materials of
5	constructio	n of the base circumferential plate.

The bolt-keeper toilet flange of claim 11 wherein: the base circumferential plate includes a width of predeterminedly 2 proximate one inch and a thickness predetermined for containing the integral bolt-3 head bracket and for providing rigidity and duration of materials of construction of 4 the base circumferential plate. 5 The bolt-keeper toilet flange of claim 1 wherein: 14. 1 the toilet-fastener plate includes a supplemental circumferential plate 2 3 having a plate diameter predeterminedly in excess of a diameter of the cr. 4151617 predetermined toilet-drain aperture; the bolt-head bracket including a first bolt-head bracket that is oppositely disposed diametrically from a second bolt-head bracket; and the floor-bolt apertures include four series of predetermined pluralities

15. The bolt-keeper toilet flange of claim 14 wherein:

radii from an axis of the supplemental circumferential plate.

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the supplemental circumferential plate includes a width of predeterminedly proximate one-and-one-half inches and a thickness predetermined for supporting supplemental bolt-head bracket and for providing rigidity and duration of materials of construction of the supplemental circumferential plate.

of the floor-bolt apertures that are oppositely disposed orthogonally at predetermined

1	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	The bolt-keeper tollet flange of claim 14 wherein:	
2	0, (the supplemental circumferential plate includes a width of	
3	predetermin	nedly proximate one inch and a thickness predetermined for supporting	
4	the suppler	nental bolt-head bracket and for providing rigidity and duration of	
5	materials of	f construction of the supplemental circumferential plate.	
1	17.	The bolt-keeper toilet flange of claim 1 wherein	
2		the bolt-head bracket includes the integral bolt-head bracket; and	
_3		the integral bolt-head bracket including walls that are integral with	
	material of	construction of the toilet-fastener plate.	
1	18.	The bolt-keeper toilet flange of claim 1 wherein	
2		the bolt-head bracket includes the supplemental bolt-head bracket; and	
3		the supplemental bolt-head bracket includes walls that are supplemental	
4	to and superimposed onto material of construction of the toilet-fastener plate.		
1	19.	A bolt-keeper toilet flange comprising:	
2		an arcuate plate having at least one bolt-head bracket articulated to hold	
3	a toilet-bolt	head;	
4		the bolt-head bracket having a bolt-shank opening on the bolt-head side	
5	of the toilet-	fastener plate for positioning the toilet-bolt head in the bolt-head bracket	
6	with a toi	let-bolt shank held uprightly from the toilet-fastener plate in a	
7	predetermin	ned place for attachment of a toilet bowl to the toilet bolt with a toilet-bolt	
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nut screwed onto the toilet-bolt shank;

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floor-bolt apertures which extend through the toilet-fastener plate on 9 arcuately opposite sides of the bolt-head bracket for receiving floor-bolt shanks of 10 floor bolts inserted downwardly through the floor-bolt apertures and for retaining 11 floor-bolt heads of the floor bolts proximate a top of the toilet-fastener plate for 12 bolting the toilet-fastener plate to a floor predeterminedly about a toilet-drain 13 14 aperture in the floor; the arcuate plate has an arcuate length of predeterminedly proximate 15 two inches, a width of predeterminedly proximate three-fourths of an inch and a 16 thickness predetermined for support of the bolt-head bracket; 17 18 16 16 20 21 22 17 17 17 17

the bolt-head bracket including a bracket entry that is articulated to receive the toilet-bolt head and the toilet-bolt shank radially from a predetermined entry edge of the fastener plate; and

the bolt-head bracket includes an end wall opposite the bracket entry to prevent passage of the toilet-bolt head through the bolt-head bracket.

A bolt-keeper toilet flange comprising: 20.

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a base circumferential plate having a plate diameter predeterminedly in excess of a diameter of the predetermined toilet-drain aperture;

a first bolt-head bracket that is oppositely disposed diametrically from a second bolt-head bracket on the base circumferential plate;

two series of predetermined pluralities of the floor-bolt apertures that are oppositely disposed circumferentially at predetermined radii from an axis of the base circumferential plate;

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the base circumferential plate including a width predetermined for containing the first bolt-head bracket and second toilet-bowl bracket at predetermined radial distances from an axis of the base circumferential plate and for containing the floor-bolt apertures at a predetermined floor-bolt distance from the axis of the circumferential plate; and

the base circumferential plate includes a thickness predetermined for containing the integral bolt-head bracket and for providing rigidity and duration of materials of construction of the base circumferential plate.

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